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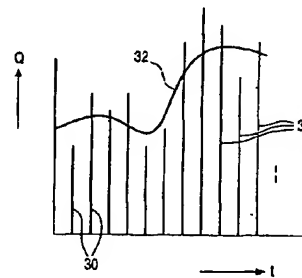
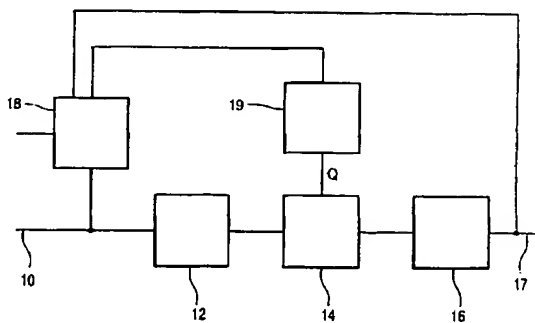
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(54) Title: VIDEO ENCODING WITH CONSTRAINED FLUCTUATIONS OF QUANTIZER SCALE



(57) Abstract: During video compression quantizer scale values for respective blocks under control of a complexity of a content of image information. The temporal and or spatial fluctuations of the quantizer scale values are dampened, for example by low pass filtering provisionally selected quantizer scale values. The quantizer scale values are used to quantize the video data. The quantizer scale values may also be used during transcoding.

INTERNATIONAL SEARCH REPORT

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PCT/IB 03/00870	

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04N7/26 H04N7/30 H04N7/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 532 940 A (AGARWAL ROHIT ET AL) 2 July 1996 (1996-07-02) column 11, line 30 -column 13, line 12 figure 4	1-3,5-7, 9
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X	US 4 302 775 A (FRALICK STANLEY C ET AL) 24 November 1981 (1981-11-24) column 8, line 24 -column 10, line 63	1,3,5,7, 9
A	---	2,4,6,8
X	EP 0 951 184 A (SONY CORP) 20 October 1999 (1999-10-20) paragraph '0165! - paragraph '0183!	1,3,5,7, 9
A	---	2,4,6,8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BARZYKINA E ET AL: "Image compression for facial photographs based on wavelet transform"</p> <p>COMMUNICATIONS, COMPUTERS AND SIGNAL PROCESSING, 1997. 10 YEARS PACRIM 1987-1997 - NETWORKING THE PACIFIC RIM. 1997 IEEE PACIFIC RIM CONFERENCE ON VICTORIA, BC, CANADA 20-22 AUG. 1997, NEW YORK, NY, USA, IEEE, US, 20 August 1997 (1997-08-20), pages 322-325, XP010244979</p> <p>ISBN: 0-7803-3905-3</p> <p>page 324, paragraph "Frequency dependent quantization"</p> <p>---</p>	1-9
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